This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claim 1 (Currently Amended): A method for providing a virtual namespace for a compute capsule, comprising:

mapping a shared file system into the virtual namespace to create a file system view, the file system view supplying the compute capsule with a private view of the shared file system;

assigning a virtual token to a resource within ~~said~~ the compute capsule, ~~said~~ the resource being of [[an]] the underlying machine and capable of being named by ~~said~~ the compute capsule, ~~said~~ the compute capsule being configured to provide an encapsulated form that is capable of being moved between computers without restriction, the computers being associated with different physical devices;

interposing a name translator between ~~said~~ the resource and ~~said~~ the compute capsule;

binding ~~said~~ the resource to ~~said~~ the virtual token with a name translation table persistently stored within ~~said~~ the compute capsule; and

translating ~~said~~ the virtual token into ~~said~~ the resource using ~~said~~ the name translator, if the compute capsule names ~~said~~ the resource, wherein the translating is transparent to both an operating system and any application running on the underlying machine.

Claim 2 (Currently Amended) The method of claim 1, wherein ~~said~~ the name translation table provides transparent mobility of a computing environment by being mapped to new machine-local values if ~~said~~ the compute capsule is moved to another host.

Claim 3 (Currently Amended): The method of claim 1, wherein ~~said~~ the virtual token is only identifiable from within ~~said~~ the compute capsule.

Claims 4-6 (Canceled)

Claim 7 (Currently Amended): The method of claim 1, further comprising:

controlling access to ~~said~~ the compute capsule.

Claim 8 (Currently Amended): A virtual namespace for a compute capsule comprising:

a file system view, the file system view supplying the compute capsule with a private view of a portion of a file system;

a virtual token configured to represent a resource within ~~said~~ compute capsule, ~~said~~ the resource not being shared with other compute capsules, ~~said~~ the resource being of [[an]] the underlying machine and capable of being named by ~~said~~ the compute capsule, ~~said~~ the compute capsule being configured to provide an encapsulated form that is capable of being moved between computers without restriction, the computers being associated with different physical devices;

~~a name translator configured to be interposed between said the resource and said the compute capsule;~~

a binder configured to bind ~~said~~ the resource to ~~said~~ the virtual token~~, the binder persistently stored within said compute~~; and

a name translator configured to be interposed between the resource and the compute capsule, [[a]] the name translator configured to translate ~~said~~ the virtual token into ~~said~~ the resource ~~using said name translator~~, if the compute capsule names ~~said~~ the resource, wherein translation through the name translator is transparent to both an operating system and any application running on the underlying machine.

Claim 9 (Currently Amended) The virtual namespace of claim 8, wherein ~~said name binder~~ the binder provides transparent mobility of a computing environment by being mapped to new machine-local values if ~~said~~ the compute capsule is moved to another host.

Claim 10 (Currently Amended): The virtual namespace of claim 8, wherein ~~said~~ the virtual token is only identifiable from within ~~said~~ the compute capsule.

Claims 11-13 (Canceled)

Claim 14 (Currently Amended): The virtual namespace of claim 8, further comprising:

an access control list for controlling access to ~~said~~ the compute capsule.

Claim 15 (Currently Amended): A computer-readable media ~~computer program product~~ for directing a computer to create a virtual namespace for a compute capsule, the computer-readable media comprising:

~~a computer usable medium having computer readable program code embodied therein configured to provide a virtual namespace for a compute capsule, said computer program product comprising:~~

instructions for creating a file system view in the virtual namespace, wherein the file system view provides the compute capsule with a private view of a portion of a shared file system;

instructions for assigning ~~computer readable code configured to cause a computer to assign~~ a virtual token to a resource within ~~said~~ the compute capsule, ~~said~~ the resource being of [[an]] the underlying machine and capable of being named by ~~said~~ the compute capsule, ~~said~~ the compute capsule being configured to provide an encapsulated form that is capable of being

moved between computers without restriction, the computers associated with different physical devices;

instructions for interposing ~~computer readable code configured to cause a computer to interpose~~ a name translator between ~~said~~ the resource and ~~said~~ the compute capsule;

instructions for binding ~~computer readable code configured to cause a computer to bind~~ the ~~said~~ resource to ~~said~~ the virtual token with a name translation table persistently stored within ~~said~~ the compute capsule; and

instructions for translating ~~computer readable code configured to cause a computer to translate said~~ the virtual token into ~~said~~ the resource using ~~said~~ the name translator, if the compute capsule names ~~said~~ the resource, wherein translation is transparent to both an operating system and any application running on the underlying machine.

Claim 16 (Currently Amended) The computer-readable media of claim 15, ~~The computer program product of claim 15,~~ wherein ~~said~~ the name translation table provides transparent mobility of a computing environment by being mapped to new machine-local values if ~~said~~ the compute capsule is moved to another host.

Claim 17 (Currently Amended): The ~~computer~~ computer-readable media of claim 15, ~~program product of claim 15,~~ wherein the ~~said~~ virtual token is only identifiable from within ~~said~~ the compute capsule.

Claims 18-20 (Canceled)

Claim 21 (Currently Amended): The ~~computer program product method~~ computer-readable media of claim 15, further comprising:

~~computer readable code configured to cause a computer to control~~ instructions for controlling access to ~~said~~ the compute capsule.

Claim 22 (Currently Amended): The method of claim 1, wherein ~~said~~ the compute capsule encapsulates an active computing environment.

Claim 23 (Currently Amended): The method of claim 22, wherein ~~said~~ the active computing environment includes one or more processes and state information that allows ~~said~~ the compute capsule to be suspended and revived on a binary compatible machine.

Claim 24 (Currently Amended): The method of claim 1, wherein ~~said~~ the resource is defined by one or more of a file, a processor, a memory, and an attached device.

Claim 25 (Currently Amended): The method of claim 1, wherein ~~said~~ the compute capsule is configured to communicate with processes outside ~~said~~ the compute capsule through Internet sockets and globally shared files.

Claim 26 (Currently Amended): The method of claim 1, wherein ~~said~~ the compute capsule is configured to provide an encapsulated form that is independent of configuration settings of a host system.

Claim 27 (New): The method of claim 1, wherein mapping the shared file system into the virtual namespace includes mapping the shared file system into the virtual namespace based on default mappings and custom mappings.

Claim 28 (New): The method of claim 9, wherein the binder is a name translation table.